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## COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## LIQUID-CRYSTAL DISPLAY DEVICE

the specification of which

☐ is attached hereto.

☐ was filed on \_\_\_\_\_ as Application Serial No. \_\_\_\_\_

and was amended on \_\_\_\_\_

☐ was described and claimed in PCT International Application No. \_\_\_\_\_

filed on \_\_\_\_\_ and as amended under PCT Article 19 on \_\_\_\_\_

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

COUNTRY	APPLICATION NO.	FILING DATE	PRIORITY CLAIMED
Japan	7-350229	December 21, 1995	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No
_____	_____	_____	<input type="checkbox"/> Yes <input type="checkbox"/> No

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Scott C. Harris Reg. No. 32,030; William E. Booth, Reg. No. 28,933; Barry E. Bretschneider, Reg. No. 28,055; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; Alan H. Gordon, Reg. No. 26,168; John F. Land, Reg. No. 29,554; John B. Pegram, Reg. No. 25,198; Rene D. Tegtmeyer, Reg. No. 33,567; Hans R. Troesch, Reg. No. 36,950; Dorothy P. Whelan, Reg. No. 33,814; Charles C. Winchester, Reg. No. 21,040.

Address all telephone calls to Scott C. Harris at telephone number 202/783-5070.

Address all correspondence to Scott C. Harris, Fish & Richardson P.C., 601 13th Street NW, Washington, D.C. 20005.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Hongyong ZHANG

Inventor's Signature: Hongyong Zhang Date: December 11, 1996

Residence Address: Kanagawa, Japan

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Citizen of: Chinese

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Yamato-shi, Kanagawa-ken 242 Japan

Full Name of Inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizen of: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full Name of Inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizen of: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full Name of Inventor: \_\_\_\_\_

Inventor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Residence Address: \_\_\_\_\_

Citizen of: \_\_\_\_\_

Post Office Address: \_\_\_\_\_



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Washington, D.C. 20231

APRIL 18, 1997

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FISH & RICHARDSON P.C.  
LA JOLLA, CA  
UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/16/1996

REEL/FRAME: 8353/0793  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ZHANG, HONGYONG

DOC DATE: 12/11/1996

ASSIGNEE:  
SEMICONDUCTOR ENERGY LABORATORY CO., LTD.  
398, HASE, ATSUGI-SHI  
KANAGAWA-KEN 243, JAPAN

SERIAL NUMBER: 08768066  
PATENT NUMBER:

FILING DATE: 12/16/1996  
ISSUE DATE:

JOANN STEWART, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

* No Docketing Required *
Reviewed By Practice Systems
Initials: <i>BMH</i>
Reviewed By Billing Secretary
Initials: _____

02-21-1997

ER SHEET

08/768066 A/D

original document.

1. Name of conveying party(ies):  
Hongyong Zhang

Additional name(s) attached? ☐ Yes ☐ No

3. Nature of conveyance:  
☐ Assignment  
☐ Merger  
☐ Security Agreement  
☐ Change of Name  
☐ Other:

Name and address of receiving party(ies):  
Semiconductor Energy Laboratory Co., Ltd.  
398, Hase, Atsugi-shi, Kanagawa-ken 243 Japan

Additional names/addresses attached? ☐ Yes ☐ No

Execution Date: December 11, 1996

59383 U.S. PTO



02/12/97

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is: December 11, 1996

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☐ No

5. Name/address of party to whom correspondence concerning document should be mailed:

Scott C. Harris  
Fish & Richardson P.C.  
4225 Executive Square, Suite 1400  
La Jolla, CA 92037

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

☐ Enclosed  
☐ Authorized to charge deposit account

8. Deposit account number: 06-1050

If the fee above is being charged to deposit account, a duplicate copy of this cover sheet is attached. Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.

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9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.

Scott C. Harris 32,383

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

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Date of Deposit

12/16/96

I hereby certify under 37 CFR 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Chris Harris

Chris Harris

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## FISH &amp; RICHARDSON P.C.

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign(s), transfer(s) and set(s) over to:

Semiconductor Energy Laboratory Co., Ltd.

having the address:

398, Hase, Atsugi-shi, Kanagawa-ken 243 Japan

(hereinafter designated as the "ASSIGNEE"), its successors and assigns, the entire right, title, and interest for the United States in the invention, and all applications for patent and any Letters Patent which may be granted therefor, including said application, and all United States Letters Patents which may be granted therefor, and all divisions, reissues, continuations and extensions thereof, the said interest being the entire ownership of said Letters Patent when granted to be held by said ASSIGNEE, its successors, assigns or their legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been and enjoyed by Assignor(s) if this assignment had not been made, the application being known by the Title:

LIQUID-CRYSTAL DISPLAY DEVICE

Attorney Docket No: 07977/103001

for which the undersigned has/have executed an application for patent in the United States of America on the same day herewith. Where this instrument is not filed concurrently with the application, the following identifying information may be added after execution:

Serial No.

Filing Date:

1. The undersigned hereby agree(s) to sign and execute any further documents and instruments which may be necessary, lawful and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue application or in any amendments, extension or interference proceedings, or otherwise to secure the title thereto to the ASSIGNEE.

2. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

3. The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the ASSIGNEE.

4. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents in the United States to issue any and all Letters Patents resulting from said application or any division or divisions or continuing applications thereof to the said ASSIGNEE.

5. The undersigned hereby grant(s) to the firm of Fish & Richardson P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

December 11, 1996  
Date

Hongyong Zhang  
Typed Name: Hongyong ZHANG

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

This assignment may be signed before a U.S. Notary Public or before at least two witnesses who also sign here:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

\_\_\_\_\_  
Date

\_\_\_\_\_  
Typed Name:

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hongyong Zhang  
 Serial No. : 09/316,697  
 Filed : May 21, 1999  
 Title : LIQUID-CRYSTAL DISPLAY DEVICE

Art Unit : 2871  
 Examiner : Mike Qi

Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

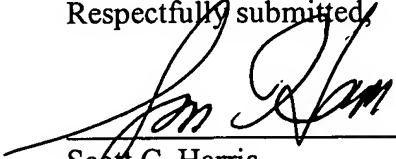
**ASSOCIATE POWER OF ATTORNEY**

Please recognize John F. Hayden, Reg. No. 37,640; James E. Mrose, Reg. No. 33,264; Phyllis K. Kristal, Reg. No. 38,524; W. Karl Renner, Reg. No. 41,265; Gregory A. Walters, Reg. No. 41,366; Diana DiBerardino, Reg. No. 45,653; Joseph F. Key, Reg. No. 44,827; Harold H. Fox, Reg. No. 41,498; Scott R. Boalick, Reg. No. 42,337; Mark E. Wadrzyk, Reg. No. 45,187; Benjamin D. Driscoll, Reg. No. 41,571; Ruffin B. Cordell, Reg. No. 33,487; Michael McKeon, Reg. No. 37,888; Linda Liu Kordziel, Reg. No. 39,732; Lauren A. Degnan, Reg. No. 40,584; Joseph V. Colaianni, Jr., Reg. No. 39,948; William G. Hughes, Jr., Reg. No. 46,112; William E. Booth, Reg. No. 28,933; John W. Freeman, Reg. No. 29,066; Timothy A. French, Reg. No. 30,175; G. Roger Lee, Reg. No. 28,963; John B. Pegram, Reg. No. 25,198; Thomas A. Rozylowicz, Reg. No. 50,620; Kevin Greene, Reg. No. 46,031; Barbara V. Benoit, Reg. No. 54,777; Brian T. Racilla, Reg. No. 54,382 and John E. Mauk, Reg. No. 54,579, as my associate attorneys/agents in the above application, with full powers.

Please direct all future official communications to Customer No. 26171.

Respectfully submitted,

Date: 9/25/03

  
 Scott C. Harris  
 Reg. No. 32,030

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